

Paul M Santi

List of Publications by Year in descending order

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45
papers

1,442
citations

430442

18
h-index

329751

37
g-index

45
all docs

45
docs citations

45
times ranked

1350
citing authors

#	ARTICLE	IF	CITATIONS
1	Debris flows and their toll on human life: a global analysis of debris-flow fatalities from 1950 to 2011. <i>Natural Hazards</i> , 2014, 71, 203-227.	1.6	219
2	Sources of debris flow material in burned areas. <i>Geomorphology</i> , 2008, 96, 310-321.	1.1	157
3	Empirical models to predict the volumes of debris flows generated by recently burned basins in the western U.S.. <i>Geomorphology</i> , 2008, 96, 339-354.	1.1	123
4	A study of methods to estimate debris flow velocity. <i>Landslides</i> , 2008, 5, 431-444.	2.7	106
5	Empirical models for predicting volumes of sediment deposited by debris flows and sediment-laden floods in the transverse ranges of southern California. <i>Engineering Geology</i> , 2014, 176, 45-56.	2.9	91
6	Debris-flow impact, vulnerability, and response. <i>Natural Hazards</i> , 2011, 56, 371-402.	1.6	87
7	Debris-flow runout predictions based on the average channel slope (ACS). <i>Engineering Geology</i> , 2008, 98, 29-40.	2.9	75
8	Experimental investigation on the breakage of hard rock by the PDC cutters with combined action modes. <i>Tunnelling and Underground Space Technology</i> , 2001, 16, 107-114.	3.0	68
9	Modification and statistical analysis of the Colorado Rockfall Hazard Rating System. <i>Engineering Geology</i> , 2009, 104, 55-65.	2.9	54
10	Analysis of Impact Hammer Rebound to Estimate Rock Drillability. <i>Rock Mechanics and Rock Engineering</i> , 2000, 33, 1-13.	2.6	48
11	Investigating cross-contamination of aquifers. <i>Hydrogeology Journal</i> , 2006, 14, 51-68.	0.9	38
12	Comparison of debris-flow volumes from burned and unburned areas. <i>Landslides</i> , 2013, 10, 757-769.	2.7	37
13	Effective mitigation of debris flows at Lemon Dam, La Plata County, Colorado. <i>Geomorphology</i> , 2008, 96, 366-377.	1.1	36
14	Assessing the timing and magnitude of precipitation-induced seepage into tunnels bored through fractured rock. <i>Tunnelling and Underground Space Technology</i> , 2017, 65, 62-75.	3.0	34
15	Improving elastic modulus measurements for rock based on geology. <i>Environmental and Engineering Geoscience</i> , 2000, 6, 333-346.	0.3	32
16	The Impact of Agricultural Irrigation on Landslide Triggering: A Review from Chinese, English, and Spanish Literature. <i>Water (Switzerland)</i> , 2021, 13, 10.	1.2	26
17	Introduction to the special issue on debris flows initiated by runoff, erosion, and sediment entrainment in western North America. <i>Geomorphology</i> , 2008, 96, 247-249.	1.1	22
18	Relating the compensational stacking of debris-flow fans to characteristics of their underlying stratigraphy: Implications for geologic hazard assessment and mitigation. <i>Geomorphology</i> , 2015, 248, 47-56.	1.1	18

#	ARTICLE	IF	CITATIONS
19	Exploration of design parameters for a dewatering structure for debris flow mitigation. <i>Engineering Geology</i> , 2016, 208, 81-92.	2.9	17
20	Minimizing economic impacts from post-fire debris flows in the western United States. <i>Natural Hazards</i> , 2016, 83, 149-176.	1.6	16
21	13.16 Wildfire and Landscape Change. , 2013, , 262-287.		15
22	Relationships between size and velocity for particles within debris flows. <i>Canadian Geotechnical Journal</i> , 2008, 45, 1778-1783.	1.4	11
23	Wildfire and Landscape Change. , 2022, , 765-797.		10
24	Optimizing Faculty Use of Writing as a Learning Tool in Geoscience Education. <i>Journal of Geoscience Education</i> , 2006, 54, 491-502.	0.8	9
25	Constraining the critical groundwater conditions for initiation of large, irrigation-induced landslides, Sigüas River Valley, Peru. <i>Landslides</i> , 2021, 18, 3753.	2.7	9
26	Ethics Exercises for Civil, Environmental, and Geological Engineers. <i>Journal of Engineering Education</i> , 2000, 89, 151-160.	1.9	8
27	Design and Installation of Horizontal Wick Drains for Landslide Stabilization. <i>Transportation Research Record</i> , 2001, 1757, 58-66.	1.0	8
28	Debris flow behavior during the September 2013 rainstorm event in the Colorado Front Range, USA. <i>Landslides</i> , 2021, 18, 1585-1595.	2.7	8
29	Preparing Geologists for Careers in Engineering Geology and Hydrogeology. <i>Journal of Geoscience Education</i> , 2005, 53, 513-521.	0.8	7
30	Prediction of piezometric surfaces and drain spacing for horizontal drain design. <i>Landslides</i> , 2012, 9, 547-556.	2.7	7
31	Estimation of inundation areas of post-wildfire debris flows in Southern California USA. <i>Engineering Geology</i> , 2021, 285, 105991.	2.9	7
32	Water and Sediment Supply Requirements for Post-Wildfire Debris Flows in the Western United States. <i>Environmental and Engineering Geoscience</i> , 2021, 27, 73-85.	0.3	6
33	Application of Multiple Criteria Decision Making Model for Evaluation of Levee Sustainability. <i>Environmental and Engineering Geoscience</i> , 2017, 23, 65-78.	0.3	5
34	Geologic hazards of the Ocoña river valley, Peru and the influence of small-scale mining. <i>Natural Hazards</i> , 2021, 108, 2679-2700.	1.6	5
35	A probabilistic approach to post-wildfire debris-flow volume modeling. <i>Landslides</i> , 2017, 14, 1345-1360.	2.7	4
36	Consideration of the Validity of Debris-flow Bulking Factors. <i>Environmental and Engineering Geoscience</i> , 2017, 23, 291-298.	0.3	3

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37	Cross-validation as a step toward the integration of local and scientific knowledge of geologic hazards in rural Peru. <i>International Journal of Disaster Risk Reduction</i> , 2022, 67, 102682.	1.8	3
38	Debris-flow hazard assessment and validation following the Medano Fire, Great Sand Dunes National Park and Preserve, Colorado. <i>Landslides</i> , 2014, 11, 1093-1113.	2.7	2
39	Debris Flow Avulsion. <i>International Journal of Erosion Control Engineering</i> , 2017, 10, 67-73.	0.5	2
40	A Landslide Hazard Rating System for Colorado Highways. , 2014, , .		2
41	Using an integrated remote sensing approach for identification of bedrock and alluvium along the Front Range mountains, Colorado. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 1.	0.6	2
42	Scoring system to predict landslide runout in the Pacific Northwest, USA. <i>Landslides</i> , 2022, 19, 1449-1461.	2.7	2
43	Challenges for Debris-Flow Mitigation in Colorado: Helpful Ideas from Recent Research. , 2012, , .		1
44	GIS Modeling to Assess Economic Risk from Post-Fire Debris-Flows. , 2014, , .		1
45	Runout Number: A New Metric for Landslide Runout Characterization. <i>Environmental and Engineering Geoscience</i> , 2021, 27, 455-470.	0.3	1